

APPENDIX D

Gas Range Adjustment Methods and Data

Measurement of Gas Range and Oven CO

Adjustment Method for Range Top Burner

- 1 – Turn burner control to highest setting. Allow flame to burn for at least 15 seconds.
- 2 – Burner grate shall be in place.
- 3 – Arrange Draeger CO detector over sampling hood approximately 12 in. above flame.
- 4 – Take readings of CO.
- 5 – Adjust shutter air valve to minimize CO if adjustment is necessary.

Measurement	Location / Burner Setting	CO ppm	Gas flow rate l/min
As is	Left Front / High	35	NA
Out of tune	Left Front / High	47	NA
Back to tune	Left Front / High	25	NA
In tune - stabilized	Left Front / High	13	NA
In tune	Left Front / Medium	5	NA
In tune	Left Front / Low	4	NA
As is	Right Front / High	47	NA
Out of tune	Right Front / High	59	NA
Back to tune	Right Front / High	40	NA
In tune - stabilized	Right Front / High	20	8.9
In tune	Right Front / Medium	5	2.5
In tune	Right Front / Low	5	0.9

NA = not available

Adjustment Method for Oven Burner

- 1 – Arrange Draeger CO monitor over oven vent exhaust.
- 2 - Turn burner oven control to 250 °F.
- 3 – Take readings of CO.
- 4 – Adjust shutter air valve to minimize CO if adjustment is necessary.
- 5 – Allow at least 5 minutes before final reading.

Measurement	Location / Condition	CO ppm	Gas flow rate l/min
As is	Oven / warming up for 2 min.	Over 1000	5.85
As is	Oven / warming up for 6 min.	143	5.85
As is	Oven / 5 min. after warm up	8	0

Reference

Conventional Home Weatherization Installation Standards. California Department of Economic Opportunity. January 1995.